



Government of **Western Australia**
Department of **Environment and Conservation**

Your ref: L7930/2003/4
Our ref: L34/04
Enquiries: Margaret Redfern
Phone: 9622 8940
Fax: 9622 8947
Email: Margaret.redfern@dec.wa.gov.au

The Manager
Westone Pty Ltd
PO Box 312
Quinns Rock WA 6030

Dear Sir/ Madam

Environmental Protection Act 1986

Licence: L7930/2004/4

Occupier: Westone Pty Ltd

Premises: Great Eastern Abattoir

You are hereby advised that a licence under the *Environmental Protection Act 1986* (the Act) has been granted for the above premises. The Department of Environment and Conservation will advertise the issuing of this licence in the public notices section of The West Australian newspaper.

The licence is subject to the attached conditions. Under section 58 of the Act, it is an offence to contravene a licence condition. This offence carries a penalty of up to \$125,000, with a daily penalty of up to \$25,000.

In accordance with section 102(1)(c) of the Act, you are afforded 21 days to appeal the conditions of the licence. Under section 102(3)(a) of the Act, any other person may also appeal the conditions of the licence.

To make an appeal or check if any appeals have been made, contact the Office of the Appeals Convenor on 6467 5190. Please direct all other inquiries to the Licensing Officer above.

Yours faithfully,

Peter Vasel
Manager, Works Approval & Emissions Licensing Section

Date: Thursday 28 July 2011

enc: Environmental Protection Act 1986 Licence L7930/2004/4

DIRECTOR GENERAL AND ENVIRONMENTAL SERVICES DIVISIONS: The Atrium, 168 St Georges Terrace, Perth, Western Australia 6000

Phone: (08) 6467 5000 Fax: (08) 6467 5562 TTY: 1880 555 630

PARKS AND CONSERVATION SERVICES DIVISIONS: Executive: Corner of Australia II Drive and Hackett Drive, Crawley, Western Australia 6009

Phone: (08) 9442 0300 Fax: (08) 9386 1578 Operations: 17 Dick Perry Avenue, Technology Park, Kensington, Western Australia 6151

Phone: (08) 9219 8000 Fax: (08) 9334 0498 TTY: 9334 0546

POSTAL ADDRESS FOR ALL DIVISIONS: Locked Bag 104, Bentley Delivery Centre, Western Australia 6983

www.dec.wa.gov.au

wa.gov.au

WESTERN AUSTRALIA
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

LICENCE

LICENCE NUMBER: L7930/2004/3

FILE NUMBER: L34/04

LICENSEE AND OCCUPIER OF PREMISES

Westone Pty Ltd
PO Box 312
QUINNS ROCK, WA 6030

NAME AND LOCATION OF PREMISES

Great Eastern Abattoir, Lot 1 on Plan 225411 and part Lot 8290 on Plan 121410
Great Eastern Highway
NORTH TAMMIN WA 6409
(as depicted in Attachment 2)

Environmental Protection Regulations 1987
CLASSIFICATION(S) OF PREMISES:

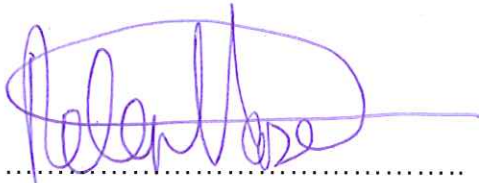
Category 15: Abattoir
Category 55: Livestock saleyard or holding pen

COMMENCEMENT DATE OF LICENCE: Sunday, 21 August 2011

EXPIRY DATE OF LICENCE: Wednesday, 20 August 2016

CONDITIONS OF LICENCE

As described and attached:



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Officer delegated under Section 20
Of the *Environmental Protection Act 1986*

Date of Issue: Thursday, 28 July 2011

DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Environmental Protection Act 1986

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PREAMBLE

The following statements in this Preamble either paraphrase sections of the Environmental Protection Act 1986 or provide relevant background information for the licence. They should not be regarded as conditions of licence.

These conditions of licence are issued to Westone Pty Ltd trading as Great Eastern Abattoir located at Lot 1 on Plan 225411 and Part Lot 8290 on Plan 121410 Great Eastern Highway, Tammin as depicted in Attachment 2, which is a prescribed premises within Schedule 1 of the *Environmental Protection Regulations 1987* as outlined in Table 1. The activities at the premises include, but is not necessarily limited to, the following operations:

- The slaughter of live animals;
- The discharge of wastewater to a series of wastewater treatment ponds;
- The irrigation of treated wastewater;
- The holding of livestock pending their slaughter.

Table 1: Categories under which Tammin Abattoir is prescribed>

<i>Category Number</i>	<i>Category Name</i>	<i>Description</i>
15	Abattoir	Premises on which animals are slaughtered
55	Livestock saleyard	Livestock holding yard or holding pens

Licensed Throughout

This licence covers a throughput at Great Eastern Abattoir of up to 9,000 tonnes per year. All wastewater generated by the abattoir and the holding yards will be discharged to the wastewater treatment systems which consists of one anaerobic, one facultative / anaerobic pond and one aerobic pond. A fourth pond will be used for storage of stabilised wastewater. Solid waste generated by the abattoir will be collected and transported offsite for processing. Solid waste from the lairage will be collected and transported offsite to a licensed landfill.

Blood generated at the abattoir is usually stored on-site prior to removal to an offsite processing facility (Talloman in Hazelmere). If Great Eastern Abattoir experiences problems finding an offsite disposal facility to accept blood generated at the abattoir it will require written approval from the Department of Environment and Conservation and Conservation to dispose of blood into the anaerobic pond and to apply blood to land

Non-Standard Operations

The licensee should inform the Director, at least 24 hours prior to the commencement of any planned non-standard operation, which may have the potential to cause pollution.

Emergency, Accident or Malfunction

The licensee should inform the Director as soon as is practicable of the identification of any discharge of waste which has occurred as a result of any emergency, accident or malfunction, or extreme weather conditions, otherwise than in accordance with any condition of this licence and has caused or is likely to cause pollution.

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Alteration to Premises

Prior to making any significant alterations to the premises which may affect the air, water or noise emissions from the premises the licensee must submit a proposal to the Director accompanied by supporting information and plans which allow the environmental impact of that change to be assessed

Odour

The licensee should manage and operate the premises such that odours emanating from the premises do not unreasonably interfere with the health, welfare, convenience, comfort or amenity of any person at an odour sensitive premises. Odour sensitive premises is defined as any land or building that is used as a residence, guest house, hotel, motel, caravan park, school, church, hospital, or as an office or consulting rooms, where such office or consulting rooms are not located in an industrial area.

The licensee should take all reasonable and practicable measures to prevent or minimise the emission of odours from the premises. It is an offence under s49 of the Act to emit, or cause to be emitted, an unreasonable emission of odour from any premises.

CONDITIONS OF LICENCE

DEFINITIONS

In these conditions of licence, unless inconsistent with the text or subject matter:

'advise', 'approved' and 'approval' means advise, approved and approval in writing from time to time, respectively;

"APHA-AWWA-WEF" means American Public Health Association (APHA), the American Water Works Association (AWWA) and the Water Environment Federation (WEF);

"AS or Australian Standard" means the most recent version (unless otherwise stated) of the specified Australian Standard published by Standards Australia International Ltd. Sydney;

"AS/NZS5667 or Australian Standard 5667" means the most recent version and the relevant parts of the Australian and New Zealand series of guidance standards on Water Quality Sampling;

"Director" means Director, or other Delegated Officer, Environmental Regulation Division of the Department of Environment and Conservation and Conservation for and on behalf of the Chief Executive Officer as delegated under Section 20 of the *Environmental Protection Act 1986*;

"Director" or "Department of Environment and Conservation and Conservation" for the purpose of correspondence means:

Regional Leader – Industry Regulation
Wheatbelt Regional Office
PO Box 100
NARROGIN WA 6312

Telephone: (08) 9622 8940
Facsimile: (08) 9622 8947;

"lairage yard" means a pen for holding animals whilst awaiting slaughter;

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"licensed" means licensed under the *Environmental Protection Act 1986*;

"licensee" means Westone Pty Ltd;

'mg/L' means milligrams per litre;

'mL' means millilitre;

'NATA' means the National Association of Testing Authorities, Australia; and

"premises" means Great Eastern Abattoir, Lot 1 on Plan 225411 and part Lot 8290 on Plan 121410 as depicted on Attachment 2;

GENERAL POLLUTION CONTROL CONDITIONS

MONITORING AND REPORTING

- 1 The licensee shall provide to the Director, by **31 July each year**, an Annual Monitoring Report containing data collected over the previous calendar year (1 July to 30 June). The report shall contain:
 - (i) monitoring data or other collected data required by any condition of this licence;
 - (ii) an explanation of the monitoring results with respect to the environmental impacts of the project;
 - (iii) the number and type of complaints received including complainants name, address, nature of complaint (where appropriate cross referenced with prevailing wind directions) and action taken;
 - (iv) any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution; and
 - (v) the monthly number of animals and tonnages of meat processed.

ANNUAL AUDIT COMPLIANCE REPORT

- 2 The licensee shall by 31 July each year, provide to the Director an Annual Audit Compliance report in the form in Attachment 1 to this licence, signed and certified in the manner required by Section C of the form, indicating the extent to which the licensee has complied with the conditions of this licence, and any previous licence issued under Part V of the Act for the premises, during the period beginning 1 July the previous year and ending on 30 June in that year.

SPILLAGE

- 3 The licensee shall collect all solids from all screens, traps and other similar devices at least once daily and store them within an impervious facility for transport off-site.
- 4 The licensee shall collect and store blood within an impervious facility.
- 5 The licensee shall ensure that solid waste from the abattoir such as heads and hocks are collected and stored within an impervious facility and transported off-site to an approved disposal facility.
- 6 The licensee shall ensure that paunch materials are stored within a bunded impervious hardstand area and collected for disposal off-site to a licensed premises.

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REMOVAL OF MANURE FROM LAIRAGE SHEDS

- 7 The licensee shall ensure that manure from the Lairage Sheds is removed daily while the sheds are in use.

SHEEPSKIN SALTING AND CURING

- 8 The licensee shall undertake all sheepskin salting and curing within a bunded concrete floored building.
- 9 The licensee shall store all salt waste within a concrete bunded area prior to off-site removal.

AIR POLLUTION CONTROL CONDITIONS

DUST GENERAL REQUIREMENT

- 10 The licensee shall take all reasonable and practical measures to prevent or minimise visible dust crossing the premises boundary, from all animal holding yards, open areas, animal handling and transport areas.

WATER POLLUTION CONTROL CONDITIONS

WASTEWATER TREATMENT

- 11 The licensee shall direct wastewater from abattoir, lairage washdown and truck washdown to the wastewater treatment system.
- 12 The licensee shall inspect the integrity of all above ground pipelines taking treated wastewater away from the treatment ponds at least twice weekly.

REMOVAL OF SOLIDS FROM DRAINS

- 13 The licensee shall ensure that all liquids from any area liable to be contaminated by animal materials pass through a solids trap "save-all" screen, scraper or similar device designed to reduce the solid loading to the treatment system.
- 14 The licensee shall remove separated solids from the save all traps, screens, scrapers or similar devices daily and transport the material off-site to a licensed rendering facility.

WASTEWATER TREATMENT

- 15 The licensee shall stabilise all abattoir and by-products wastewater within clay lined anaerobic and aerobic ponds, including, but not limited to:
- (i) collected wastewater from the save all sumps; and
 - (ii) all washdown water (dry cleaning should be used wherever possible to minimise the volume of water utilised).

WASTEWATER TREATMENT PONDS

- 16 The licensee shall manage and operate the wastewater treatment ponds referred to in condition 15, in a manner such that:
- (i) all stormwater shall be diverted away from the ponds to minimise the threat of erosion of pond embankments or flooding;
 - (ii) there is no discernible seepage loss of wastewater from the outer pond embankments;

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- (iii) overtopping of the ponds does not occur;
- (iv) a minimum freeboard of 600mm is maintained on all wastewater treatment ponds;
- (v) trapped overflows shall be installed and maintained on the discharge from the anaerobic pond to prevent carry over of surface floating matter to subsequent ponds;
- (vi) aerobic pond surfaces shall be kept clear of floating matter and algal mats. Vegetation on inner pond embankments of aerobic ponds shall not interfere with the integrity of pond walls or adequate water surface aeration, or mask overtopping or other leakage; and
- (vii) a crust is maintained on the anaerobic pond(s) to minimise the emission of offensive odours and to enhance the breakdown of unstable organic matter.

WASTEWATER DISCHARGES

- 17 The licensee shall ensure that there is no indirect or direct surface discharge of contaminated or potentially contaminated stormwater from any of the treatment, process or lairage areas into the Mortlock River or its tributaries.
- 18 The licensee shall not discharge raw, stabilised or any other contaminated wastewater directly or indirectly to Mortlock River or its tributaries.
- 19 The licensee may irrigate treated wastewater within Lot 1 Great Eastern Highway and shall conform to the following schedule:
- (i) irrigation shall not result in soil erosion or ponding of treated effluent;
 - (ii) irrigation shall occur evenly over the designated irrigation site to promote healthy vegetation growth; and
 - (iii) irrigation shall be conducted so that spray and run-off does not cross into adjacent lots and reserves.

IRRIGATION DISCHARGE CRITERIA

- 20 The licensee shall ensure that wastewater irrigation does not exceed the following nutrient loading rates:
- | | |
|---|--------------------------------|
| (i) Total Nitrogen | 300 kg per hectare per year; |
| (ii) Total Phosphorus | 50 kg pr hectare per year; and |
| (iii) Biochemical Oxygen Demand (BOD ₅) | 30 kg per hectare per year. |

MONITORING FACILITIES

- 21 The licensee shall install and maintain suitable metering devices for measuring monthly cumulative volumes of:
- (i) wastewater pumped to the anaerobic ponds; and
 - (ii) stabilised wastewater discharged for irrigation.
- 22 The licensee shall present the monthly flow results in the next Annual Monitoring Report required by condition 1 in a tabular form.

MONITORING PROGRAMME

- 23 The licensee shall collect representative water samples every 3 months (in December, March, June and September) from the final aerobic pond. Levels of the following parameters shall be determined:
- (i) pH;
 - (ii) Total Suspended Solids;
 - (iii) Total Dissolved Solids;
 - (iv) 5-Day Biochemical Oxygen Demand (BOD₅);

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- (v) Total Nitrogen; and
 - (vi) Total Phosphorus.
- 24 With the exception of pH, all measurements are to be reported in milligrams per litre (mg/L). The results shall be presented in the next Annual Monitoring Report required by condition 1.
- 25 The licensee shall collect all water and wastewater samples in accordance with the relevant section of Australian Standard AS/NZS 5667.
- 26 The licensee shall ensure that all water and wastewater samples are analysed in a NATA registered laboratory for the analysis of water and wastewaters in accordance with the current "Standard Methods for Examination Water and Wastewater – APHA-AWWA-WEF"

BLOOD – SHORT TERM DISPOSAL

- 27 The licensee may, with the approval from the Director, dispose of blood using the following methods when the off-site disposal is not possible at all:
- (i) blood may be discharged into the anaerobic pond at a rate of no greater than 50 litres per hour for a period of 30 days from the date of the first discharge into the anaerobic pond; and
 - (ii) blood may be combined with sand or organic material (for example sawdust or grain waste) to form a solid waste which is then to be disposed of at a licensed landfill with the agreement of the landfill manager
- 28 The licensee shall:
- (i) record the volume of blood discharged into the anaerobic pond each day;
 - (ii) undertake daily observations of the condition of the wastewater pond system, particularly with respect to odour; and
 - (iii) regulate the flow of blood into the anaerobic pond using a discharge control valve.



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Officer delegated under Section 20
Of the *Environmental Protection Act 1986*

Date of Issue: 28 July 2011

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DEPARTMENT OF ENVIRONMENT AND CONSERVATION
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ATTACHMENT 2; Annual Audit Compliance Report

SECTION A

LICENCE DETAILS

Licence Number:	Licence File Number:
Company Name:	ABN:
Trading as:	
Reporting period: _____ to _____	

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of licence complied with within the reporting period? (please tick the appropriate box)

Yes ☐ Please proceed to Section C
No ☐ Please proceed to Section B

Each page must be initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: _____

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DEPARTMENT OF ENVIRONMENT AND CONSERVATION

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SECTION B - DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.

Please use a separate page for each licence condition that was not complied with.

a) Licence condition not complied with?	
b) Date(s) when the non compliance occurred, if applicable?	
c) Was this non compliance reported to DEC?	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to DEC verbally Date _____ <input type="checkbox"/> Reported to DEC in writing Date _____	<input type="checkbox"/> No
d) Has DEC taken, or finalised any action in relation to the non compliance?	
e) Summary of particulars of non compliance, and what was the environmental impact?	
f) If relevant, the precise location where the non compliance occurred (attach map or diagram)	
g) Cause of non compliance	
h) Action taken or that will be taken to mitigate any adverse effects of the non compliance	
i) Action taken or that will be taken to prevent recurrence of the non compliance	

Each page must be initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: _____

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SECTION C - SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report may only be signed by a person(s) with legal authority to sign it. The ways in which the Annual Audit Compliance Report must be signed and certified, and the people who may sign the statement, are set out below.

Please tick the box next to the category that describes how this Annual Audit Compliance Report is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your premises.

If the licence holder is		The Annual Audit Compliance Report must be signed and certified:
an individual	<input type="checkbox"/>	by the individual licence holder, or
	<input type="checkbox"/>	by a person approved in writing by the Chief Executive Officer of the Department of Environment and Conservation to sign on the licensee's behalf.
A firm or other unincorporated company	<input type="checkbox"/>	by the principal executive officer of the licensee; or
	<input type="checkbox"/>	by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment and Conservation.
A corporation	<input type="checkbox"/>	by affixing the common seal of the licensee in accordance with the Corporations Act 2001; or
	<input type="checkbox"/>	by two directors of the licensee; or
	<input type="checkbox"/>	by a director and a company secretary of the licensee, or
	<input type="checkbox"/>	if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or
	<input type="checkbox"/>	by the principal executive officer of the licensee; or
	<input type="checkbox"/>	by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment and Conservation.
A public authority (other than a local government)	<input type="checkbox"/>	by the principal executive officer of the licensee; or
	<input type="checkbox"/>	by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment and Conservation.
a local government	<input type="checkbox"/>	by the chief executive officer of the licensee; or
	<input type="checkbox"/>	by affixing the seal of the local government.

It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular. There is a maximum penalty of \$50,000 for an individual or body corporate.

I/We declare that the information in this annual audit compliance report is correct and not false or misleading in a material particular.

SIGNATURE: _____

SIGNATURE: _____

NAME:(printed) _____

NAME:(printed) _____

POSITION: _____

POSITION: _____

DATE: ____/____/____

DATE: ____/____/____

SEAL (if signing under seal)

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DEPARTMENT OF ENVIRONMENT AND CONSERVATION

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ATTACHMENT 2 – PLAN OF PREMISES

Great Eastern Abattoir, Lot 1 on Plan 225411 and part Lot 8290 on Plan 121410, Great Eastern Highway, North Tammin

